

S3731

Abstract

Digital-analog converter and method for digital-analog conversion

The present invention provides a digital-analog converter having: a DEM logic device (10) for generating at least two digital output data items (13, 14) from the digital input data (11) on the basis of a predetermined algorithm to determine an initial cell and a final cell in the array arrangement (22), between which there are situated cells (24) with energy sources (30) to be activated; a decoder device (16) for decoding the at least two digital output data items (13, 14) from the DEM device (10) into actuation signals (17, 17', 18, 18', 19, 19' 20, 20', 21, 21') in order to activate the cells (24) which are to be activated; and an array arrangement (22) of cells (23) for outputting at least one quantized analog signal (25, 25') on the basis of the actuation signals (17, 17', 18, 18', 19, 19' 20, 20', 21, 21'). The present invention likewise provides a method for digital-analog conversion.

Figure 1